

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

1. (Currently Amended) A digital television (DTV) receiver configured to receive a digital television signal containing program and system information protocol (PSIP) data, which when received by the DTV receiver causes the DTV receiver to perform the following method comprising:

 parsing a first descriptor to identify at least a first field that contains at least one code associated with first graphic information to be displayed in an Electronic Program Guide (EPG) including a grid having a plurality of events on a display screen, the first graphic information being associated with a source of an event;

 parsing a second descriptor to identify at least a second field that contains at least one code associated with second graphic information to be displayed in an event ~~portion~~at the grid of the EPG, the second graphic information being directly associated with the event in the EPG, wherein a dimension of the event is configured not to change when the event is selected; and

 displaying at least one of the first and second graphic information in the EPG.

2. (Previously Presented) The DTV receiver of claim 1, wherein each of the first and second descriptors further includes:

 a descriptor tag field; and

 a descriptor length field.

3. (Previously Presented) The DTV receiver of claim 2, wherein said descriptor tag field has a value of 0xC9 for an information type descriptor and a value of 0xC8 for an extended information descriptor.

4. (Canceled).

5. (Previously Presented) The DTV receiver of claim 1, wherein the code included in the first or second field characterizes the first or second graphic information as one of:

- a GIF-formatted image file;
- a JPEG-formatted image file;
- a TIFF-formatted image file;
- an ASCII text file;
- an HTML-formatted text file;
- an XML-formatted text file;
- a basic audio formatted file having a .au file extension;
- an MPEG-formatted audio file;
- a WAV-formatted audio file;
- an MPEG-formatted video file;
- a Quicktime-formatted video file;
- an AVI-formatted video file; and
- a user-defined formatted file.

6. (Previously Presented) The DTV receiver of claim 1, wherein each of the first and second descriptors further includes:

an information description length field; and

an information description text field.

7. (Previously Presented) The DTV receiver of claim 6, wherein said information description length field identifies a length of said information description text field.

8. (Previously Presented) The DTV receiver of claim 6, wherein said information description text field includes text that characterizes at least one of the first and second graphic information.

9. (Previously Presented) The DTV receiver of claim 1, further comprising parsing a third descriptor including a third field describing an expected usage of at least one of the first and second graphic information.

10. (Previously Presented) The DTV receiver of claim 9, wherein said third descriptor further includes:

an information location length field; and

an information location text field.

11. (Currently Amended) The DTV receiver of claim 9, wherein said third descriptor further includes:

a fourth field that describes said second graphic information as being an advertisement or not; and

a fifth field that describes a location on a display screen where a creator of said descriptor anticipates that a representation of said second graphic information should be positioned.

12. (Previously Presented) The DTV receiver of claim 9, wherein said third field describes said second graphic information as one of:

undefined so as to have no expected usage;

extended event, extended programming guide (EPG) information that is to be displayed during an EPG display when an event is selected;

extended event selected information that is to be displayed when an event is selected;

extended channel EPG information that is to be displayed during an EPG display when a channel is selected;

extended channel selected information that is to be displayed when a channel is selected;

and

user-defined information.

13. (Previously Presented) The DTV receiver of claim 10, wherein said information location length field identifies a remaining length of said third descriptor as determined by said information location text field.

14. (Previously Presented) The DTV receiver of claim 10, wherein said information location text field includes a string of text that is interpreted as a universal resource locator (URL).

15. (Previously Presented) The DTV receiver of claim 14, wherein said URL is a reference to a data program within said DTV data stream or data external to said DTV data stream.

16. (Previously Presented) The DTV receiver of claim 15, wherein the external data is from the world wide web (WWW).

17. (Previously Presented) The DTV receiver of claim 15, wherein said data program within said DTV data stream is referenced with a path beginning as
dtv:/

or, said data from the world wide web (WWW) is referenced with a path beginning as
http://

or
http://www.

18. (Previously Presented) The DTV receiver of claim 1, further comprising a link between said first descriptor and a virtual channel table (VCT).

19. (Previously Presented) The DTV receiver of claim 1, further comprising a link between said second descriptor and an event information table (EIT).

20.-21 (Canceled).

22. (Currently Amended) A method to generate program and system information protocol (PSIP) data about digital television (DTV) content by a PSIP generator, the method comprising:

generating a first descriptor including a first field that contains at least one code associated with first graphic information to be displayed in an Electronic Program Guide (EPG) including a grid having a plurality of events on a display screen, the first graphic information being associated with a source of an event;

generating a second descriptor including a second field that contains at least one code associated with second graphic information to be displayed in an event ~~portion~~ at the grid of the EPG, the second graphic information being directly associated with the event in the EPG, wherein a dimension of the event is configured not to change when the event is selected; and

generating at least one PSIP table including at least one of the first and second descriptors.

23-26. (Canceled).

27. (Currently Amended) A method to generate an extended programming guide (EPG) display about content in a digital television (DTV) stream of data packets by a DTV receiver, said method comprising:

receiving said DTV stream of data packets, said stream containing at least one program and system information protocol (PSIP) tables;

recognizing a first descriptor within a first PSIP table, wherein the first descriptor includes a first field that contains at least one code associated with first graphic information to be displayed in an Electronic Program Guide (EPG) including a grid having a plurality of events on a display screen, the first graphic information being associated with a source of an event;

recognizing a second descriptor within a second PSIP table, the second descriptor including a second field that contains at least one code associated with second graphic information to be displayed in an event ~~portion~~ at the grid of the EPG, the second graphic information being directly associated with the event in the EPG, wherein a dimension of the event is configured not to change when the event is selected; and

generating said EPG display as a function of at least one of the first and second graphic information.

28-32. (Canceled).

33. (Previously Presented) The DTV receiver of claim 9, wherein the third field indicates that the first graphic information associated with the source of the event is displayed when the source of the event is selected.

34. (Previously Presented) The DTV receiver of claim 9, wherein the third field indicates that the second graphic information associated with the event is displayed when the event is selected.

35. (New) The DTV receiver of claim 1, wherein the DTV receiver further performs the method comprising:

parsing a fourth descriptor to identify at least a sixth field that contains at least one code associated with a third graphic information to be displayed at a portion of the EPG, wherein the third graphic information is related to a selected event and is different from displayed graphic information corresponding to the selected event, and the third graphic information is displayed when the event is selected.

36. (New) The method of claim 22, further comprising:

generating a third descriptor to identify at least a third field that contains at least one code associated with a third graphic information to be displayed at a portion of the EPG, wherein the third graphic information is related to a selected event and is different from displayed graphic information corresponding to the selected event, and the third graphic information is displayed when the event is selected.

37. (New) The method of claim 27, further comprising:

recognizing a third descriptor to identify at least a third field that contains at least one code associated with a third graphic information to be displayed at a portion of the EPG, wherein the third graphic information is related to a selected event and is different from displayed graphic information corresponding to the selected event, and the third graphic information is displayed when the event is selected.

38. (New) The method of claim 1, further comprises highlighting the selected event.

39. (New) The method of claim 22, further comprises highlighting the selected event.
40. (New) The method of claim 27, further comprises highlighting the selected event.